B17 U.S.S.N. 09/007,005, now U.S. Patent No. 6,258,558 B1, and 09/247,190, now U.S. Patent No. 6,261,804 B1; Szostak et al., WO98/31700; and Roberts & Szostak, Proc. Natl. Acad. Sci. USA (1997) vol. 94, p. 12297-12302 (Figure 8).

In the Claims:

Cancel claims 2-7, without prejudice, and amend claims 1 and 8-22 as follows.

B12 1. (Amended) A library of scaffold-based proteins, wherein said scaffold is derived from the tenth module of the human fibronectin type III domain (^{10}Fn3) having at least three randomized loops, said library comprising proteins being characterized by their ability to bind to compounds that are not bound by said human fibronectin type III domain and wherein said binding ability results from said randomization of said at least three loops.

B13 8. (Amended) The library of claim 1, wherein said library comprises proteins in which one of said randomized loops is extended in length relative to the corresponding loop of human ^{10}Fn3.

9. (Amended) The library of claim 1, wherein said proteins lack an integrin-binding motif.

10. (Amended) The library of claim 9, wherein said integrin-binding motif is replaced by an amino acid sequence comprising a basic amino acid-neutral amino acid-

acidic amino acid motif.

11. (Amended) The library of claim 9, wherein said integrin-binding motif is replaced by an amino acid sequence comprising serine-glycine-glutamate.

12. (Amended) The library of claim 1, wherein said proteins of said library lack disulfide bonds.

13. (Amended) The library of claim 1, wherein said proteins of said library are part of fusion proteins.

14. (Amended) The library of claim 13, wherein said fusion proteins further comprise immunoglobulin F_c domains.

15. (Amended) The library of claim 13, wherein said fusion proteins further comprise complement proteins.

16. (Amended) The library of claim 13, wherein said fusion proteins further comprise toxin proteins.

17. (Amended) The library of claim 13, wherein said fusion proteins further comprise albumin proteins.

18. (Amended) The library of claim 1, wherein said proteins of said library are covalently bound to nucleic acids.

B13 Canceled

19. (Amended) The library of claim 18, wherein said nucleic acids encode said proteins.

20. (Amended) The library of claim 18, wherein said nucleic acid is RNA.

21. (Amended) The library of claim 1, wherein said proteins of said library are multimers.

22. (Amended) The library of claim 1 or 9, wherein said proteins of said library are formulated in a physiologically-acceptable carrier.

In the Drawings:

N.E.

Replace the current drawings with the accompanying new Figures 1-12.